

## 1

## SEQUENCE LISTING

<110> Fainzilber, Michael  
Hanz, Shlomit  
Perlson, Eran

<120> METHODS OF REGULATING NEURONAL REGENERATION AND ADMINISTERING COMPOUNDS TO NEURONS

<130> 27804

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<170> PatentIn version 3.2

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<212> PRT

<213> Artificial sequence

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<223> Nuclear localization signal-containing peptide

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Cys Thr Pro Pro Lys Lys Lys Arg Lys Val  
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<223> Reverse-nuclear localization signal-containing peptide

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Val Lys Arg Lys Lys Lys Pro  
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&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; M9 motif consensus sequence

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (1)..(1)

&lt;223&gt; Tyr, Phe or Trp

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (2)..(3)

&lt;223&gt; Xaa can be any naturally occurring amino acid

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (4)..(4)

&lt;223&gt; Any hydrophilic residue

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (5)..(5)

&lt;223&gt; Xaa can be any naturally occurring amino acid

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (7)..(7)

&lt;223&gt; Xaa can be any naturally occurring amino acid

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (8)..(8)

&lt;223&gt; Any hydrophobic residue

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (10)..(10)

&lt;223&gt; Pro or Lys

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (11)..(11)

&lt;223&gt; Met, Leu or Val

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;222&gt; (12)..(12)

&lt;223&gt; Lys or Arg

&lt;400&gt; 5

Xaa Xaa Xaa Xaa Xaa Ser Xaa Xaa Gly Xaa Xaa Xaa  
 1 5 10

&lt;210&gt; 6

&lt;211&gt; 12

&lt;212&gt; PRT

&lt;213&gt; Artificial sequence

&lt;220&gt;

&lt;223&gt; M9 nuclear localization signal (NLS) sequence derived from hnRNP A1

&lt;400&gt; 6

Tyr Asn Asn Gln Ser Ser Asn Phe Gly Pro Met Lys  
 1 5 10